



Technical Product Overview

Grid Ceiling Tiles

Grid Ceiling Tiles are manufactured by Autex Industries Ltd and Autex Australia Pty Ltd under an ISO 9001 and ISO 14001 certified Quality and Environmental Management Systems. The product is guaranteed to be free from manufacturing defects and carries a manufacturer's guarantee for a period of no less than 20 years to meet all of the performance properties stated in this guarantee. This guarantee excludes damage caused by daily wear and tear, contamination (including moisture, dust, or stains), fading or discoloration from sunlight exposure, and any issues resulting from incorrect installation or improper maintenance.

Specification

Product Name	Grid Ceiling Tiles	
Description	100% polyester lightweight ceiling grid tile	
		Metric
Tile Dimensions	23 3/4" x 23 3/4" 47 1/4" x 23 3/4"	
Tile Tolerance	(+/- 1/16") x (+/- 1/16")	
Depth	4 3/8"	
Depth Tolerance	(+/- 1/16")	

Physical Description/ Properties

Boiling Point:	N/A
Melting Point:	482°F
Vapor Pressure:	N/A
Specific Gravity:	Polyester 1.38
Flash Point:	N/A
Explosive Limits:	N/A
Solubility in Water:	Not soluble
Alkalinity:	pH 7.8
Relative Vapor Density:	N/A

Service

For further information about Grid Ceiling Tiles or any other Autex Acoustics® product, please contact your Momentum account manager or visit momentumco.com.



Care and Maintenance

Maintain in accordance with the Care and Maintenance Guide available for this product.

Acoustic Performance

Grid Ceiling Tiles help reduce and control reverberated noise and echo in building interiors. Extensive acoustic testing of arrayed assemblies has been undertaken in accordance with ISO 354 to inform the performance of grid tiles.

Styles	Overall Depth	Depth Below Grid	Spacing	NRC Uncapped	NRC Capped
Frame	3 15/16"	2 15/16"	23 5/8"	0.35	0.80
Linear	3 15/16"	3 3/8"	23 5/8"	0.35	0.85
Hatch	3 15/16"	3 3/8"	23 5/8"	0.40	0.85
Angle	3 1/8"	2 9/16"	23 5/8"	0.30	0.80

Styles	Overall Depth	Depth Below Grid	Spacing	NRC Uncapped	NRC Capped
Louvre	4 1/16"	3 7/16"	23 5/8"	0.45	0.85
Vault	3 5/8"	3 1/16"	23 5/8"	0.80	-
Vertex	3 15/16"	3 3/8"	23 5/8"	0.25	0.85

NRC ratings determined by testing in accordance with ISO 354 and calculated according to ASTM C423. Full acoustic reports available upon request.

Product Specifications

Composition

100% polyester fiber from polyethylene terephthalate (PET). Grid Ceiling Tiles contain a minimum of 80% previously recycled polyester fiber.

Suitable Applications

Ceilings

Fire Ratings

Grid Ceiling Tiles are made from Cube™ as the base material. Cube has been evaluated using the following test methods.

ASTM E-84-23a

Class A, FS:25 - SD:250
(Cube™ 3/8")
RJ9445F-1a

CAN/ULC-S102

FS:15 - SD:65
(Cube™ 3/8")
QA-2243F-3

TVOC Emissions

Autex Acoustics polyester has been tested for Total Volatile Organic Compounds in accordance with CPDH v1.2 and is considered a low VOC product.
VOC concentration:
0.066 mg/m³ (14 days)

Water Vapor Sorption

ASTM C1104 / C1104M-13a
Test conditions: 120°F, 95%RH
Water vapor absorbed and adsorped after 4 days:
0.4% by weight

Impact Resistance

ISO 7892:1988

Microbial Resistance

ASTM G21-15
Growth rating: 0 (No growth)
Grid Ceiling Tiles do not promote the growth of molds and mildew.

Color Fastness to Light

Grid Ceiling Tiles are suitable for indoor use only. Light fastness is dependent on use and exposure. Grid Ceiling Tiles have been evaluated to the following standard: ISO 105-B02:2014
Rating: 6 (Highest = 7)

Color Fastness to Rubbing

ISO 105-X12:2016
Dry rating: 4-5 (Highest = 5)
Wet rating: 4-5 (Highest = 5)

Batch Variation

Non-woven. Product may vary from samples and batch to batch due to fiber blending and lay-up, which is an inherent feature of this product.

Fabric Care

Blot spills from fabric quickly. Wipe with a damp cloth. Avoid rubbing and excessive amounts of water as this will affect the finish. Use carpet or upholstery shampoo as directed. Blot with a clean dry cloth after each application of solution.

Custom printed Grid Ceiling Tiles require the services of a specialist cleaning company. Refer to the Autex Acoustics Care and Maintenance Guide for more information.

Autex Acoustics®

M O M E N T U M

momentumco.com

Instagram LinkedIn Pinterest